Title (en)
VECTOR CORRELATION SYSTEM FOR AUTOMATICALLY LOCATING PATTERNS IN AN IMAGE

Title (de)
VEKTORKORRELATIONSSYSTEM ZUM AUTOMATISCHEN AUFFINDEN VON MUSTERN IN EINEM BILD

Title (fr)
SYSTEME DE CORRELATION VECTORIELLE POUR LOCALISER AUTOMATIQUEMENT DES MOTIFS DANS UNE IMAGE

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Abstract (en)
[origin: WO9718524A2] The present invention relates to a combined approach of image and template correlation, and vector correlation wherein edge detection and pattern searching are joined in a single operation to provide great flexibility without requiring extensive computational facilities. A template is devised from a sparse set of coordinate points that model only the important edges of an object to be located within an image. Different templates are dynamically reconstructed as an estimation of the object location within the image becomes more precise.

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